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## JOB DETAIL

Ref. IO2035 - 10/30/2018

### System Testing Supervisor CST-152

**Main job** Mechanics

**Department** CST / Construction Department

**Division** CST / Tokamak Complex Section/Division

**Job Family** Engineer - 1

**Application Deadline**  
(MM/DD/YYYY) 12/06/2018

**Grade** P2

**Direct employment** Not required

**Purpose** To assure the Operator Surveillance Role during installation in defined Worksites as required by the regulator for the ITER project during installation activities;  
To supervise and coordinate Helium leak testing activities for the vacuum systems and ensure that project and regulatory requirements are correctly implemented in accordance with Safety requirements and Quality Management rules and in compliance with the time schedule.

Supervises the Helium leak testing during the prefabrication and installation stages of the vacuum systems located inside Tokamak Complex Worksite, in full integration with the Construction Management as Agent (CMA), Safety Department, Quality Surveillance and relevant Technical Responsible Officer (TRO);

**Main duties / Responsibilities** Identifies the methods required to ensure the safe, successful and timely installation of the Tokamak Complex systems such as vacuum fueling, test blanket module and transmission line, in collaboration with the CMA & TROs;  
Leads the review process of Helium leak testing procedures, Helium leak test packs and Inspection & Test Plans as issued by contractor(s) to ensure compliance with the IO technical specifications;  
Trains and proposes ITER certifications for personnel working on the Helium leak testing activities where necessary;  
Participates the "Witness" and "Hold" points activities in conjunction with the CMA and Quality Management Division (QMD) representatives based on approved Inspection & Test Plans and verifies that reports are signed by the qualified persons from the different parties;  
Monitors the overall progress of Helium leak testing and reports on that topic to the Project Team Leader;  
Carries out inspections and writes observation reports when required;  
Supports and coordinates the development of technical solutions with the contractor, CMA and QMD during Helium leak testing activities; and follows any non-conformance and corrective actions/deviation processes as required;  
Ensures that CMA has verified all test equipment certificates, calibration certificates, manufacturers' dossiers, testing records and supporting documentation are up to date and recorded for the project closure;  
Assists during final testing and commissioning of the installed components and alerts line management in the event of non-conformance;  
May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;

**Measures of effectiveness** Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;  
May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;  
Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics;

Reports to the Tokamak Complex Section/Division Head;  
In response to requests from the Director-General (DG) and/or the Construction Department Head (CST), or proactively, informs the DG/ CST Head of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.

Generates and maintains coherent, comprehensive, and understandable documentation;  
Maintains effective communications within the IO, CMA and

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the Domestic Agencies;  
Ensures the ITER Quality Management Program and safety requirements are efficiently implemented for the Helium leak testing during the prefabrication and installation stages of the vacuum systems;  
Leads efficiently the review process of Helium leak testing procedures by ensuring effective collaboration with stakeholders and compliance with IO technical specifications and within the defined schedule;  
Actively monitors the overall progress of Helium leak testing and issues accurate reports.

<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Mechanical or Nuclear Engineering
<b>Level of experience</b>	At least 5 years
<b>Technical experience/knowledge</b>	At least 5 years' professional experience in performing Leak Testing during the Construction and Commissioning of large scale industrial plants in nuclear, scientific or research environments; Experience in international or large projects is required; Detailed knowledge of Vacuum systems would be a strong advantage; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains;
<b>General skills</b>	Proactive, with drive and initiative; Ability to dialogue with a wide variety of contributors and stakeholders; Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; Ability to persist in the face of challenges to meet deadlines with high standards; Ability to gather multiple and diverse sources of information to understand problems accurately before moving to proposals; Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
<b>Others</b>	Proficient command of the Microsoft Office packages; Knowledge of software types usually used within a multidiscipline project environment – computer aided design, scheduling software, estimating software, etc.
<b>Languages</b>	English (Fluent)

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